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APPLICATION NO	Fil	LING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO	CONFIRMATION NO
09/934,232	-	8/21/2001	William R Camerer III	DOEBLER'S	8168
7723	7590	06/03/2004		EXAM	INER
PHILIP L I	BATEMA	N		GAXH, Y	ELENA G
POBOX 11	05				
DECATUR,	IL 6252	5		ART UNIT	PAPER NUMBER

DATE MAILED: 06/07/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

,	Application No.	Applicant(s)	
	09/934,232	CAMERER ET AL.	
Office Action Summary	Examiner		
	Yelena G. Gakh, Ph.D.	1743	
 The MAILING DATE of this communicati for Reply 	on appears on the cover sheet with	the correspondence address -	
SHORTENED STATUTORY PERIOD FOR IE MAILING DATE OF THIS COMMUNICAT	TION.	. ,	
Literators of time may be available under the provisions of 37 after SIX (6) MONTHS from the mailing date of this communical of the period for reply specified above is less than thirty (30) day	ton		
efter SIX (6) MONTHS from the mailing date of this communical	tion is, a reply within the statutory minimum of lihirty (i penod will apply and will expire SIX (6) MONTH	0) days will be considered limely. 5 from the making date of this communication	

- Status
 - 1) Responsive to communication(s) filed on 09 April 2004. 2a) This action is FINAL. 2h\X This action is non-final.
 - 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Exparte Quayle, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) Claim(s) 1-5 is/are pending in the application.
 - 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
 - 5) Claim(s) is/are allowed.
 - 6) Claim(s) 1-5 is/are rejected.
 - 7) Claim(s) is/are objected to.
 - 8) Claim(s) are subject to restriction and/or election requirement.

Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on _____ is/are: a) accepted or b) objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

- a) All b) Some c) None of:
- 1. Certified copies of the priority documents have been received.
 - Certified copies of the priority documents have been received in Application No.
 - 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received

Attachment(s)

- 1) Notice of References Cited (PTO-892) Paper No(s)/Mail Date 10/16/03
- 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO-1449 or PTO/SR/08)
- 4) Interview Summary (PTO-413) Paper No(syMail Date.____.
 - 5) Notice of Informal Patent Application (PTO-152) 6) Other ____

DETAILED ACTION

Response to Arguments

 Applicant's Appeal Brief filed on 04/09/04 is acknowledged. In view of Applicant's arguments in the Appeal Brief filed on 04/09/04, PROSECUTION IS HEREBY REOPENED.
 New grounds of rejections are set forth below.

To avoid abandonment of the application, appellant must exercise one of the following two options:

 file a reply under 37 CFR 1.111 (if this Office action is non-final) or a reply under 37 CFR 1.113 (if this Office action is final); or,

(2) request reinstatement of the appeal.

If reinstatement of the appeal is requested, such request must be accompanied by a supplemental appeal brief, but no new amendments, affidavits (37 CFR 1.130, 1.131 or 1.132) or other evidence are permitted. See 37 CFR 1.193(b)(2).

Claim Rejections - 35 USC § 112

- The following is a quotation of the second paragraph of 35 U.S.C. 112:
 The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter, which the applicant regards at his invention.
- Claims 1-5 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claim I in step (I) recites, "comparing the analysis with an existing correlation between near inflared analyses and wet-chemistry tested nutritional compositional characteristics". It is not clear, what "existing correlation" means here. Is it a general correlation for all complants independent on their composition, which is known from a reference literature? No reference literature for such correlation is disclosed in the specification, which makes it unclear, what the terminology "existing correlation" might mean. What does "harvesting" mean in step (c)? Is this just cutting a selected plant?

Claim Rejections - 35 USC § 103

 The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be prainted and the prior at are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

- The factual inquiries set forth in Graham v. John Deere Co., 383 U.S. 1, 148 USPQ 459 (1966), that are applied for establishing a background for determining obviousness under 35 U.S.C. 103(a) are summarized as follows:
 - Determining the scope and contents of the prior art.
 - Ascertaining the differences between the prior art and the claims at issue.
 - Resolving the level of ordinary skill in the pertinent art.
 - Considering objective evidence present in the application indicating obviousness or nonobviousness.
 This application currently names joint inventors. In considering patentability of the
- claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).
- Claims 1-5 are rejected under 35 U.S.C. 103(a) as being unpatentable over Jones et al. (J. Dairy Sci.) in view of Lauer et al. (2000) cited in Schwab et al. (Proceedings 2001) and "Disaster Recovery", August 1993.

Jones teaches the "use of near infrared reflectance spectroscopy in forage testing" (Title), which comprises NIR analysis of forage for crude protein (CP), acid-detergent (ADF) and neutral-detergent (NDF) fiber and minerals compared with wet chemical results. "Forage was

routinely tested by oven drying at 60° C and grinding with a Wiley mill through a 2-mm screen" (Abstract). The samples were ground to pass a 1-mm screen in a cyclone mill.

Jones does not specifically indicate grinding and analyzing fresh (harvested) plants.

Lauer as cited by Schwab (Current Status) reports results of MILK2000 model involving near infared reflectance (NIR) analysis of fresh whole-plant corn samples for all components of the corn plant comprising calibrations for corresponding components. NIR analysis of the fresh plant intrinsically comprises estimating the moistruc content.

It would have been obvious for anyone of ordinary skill in the art to apply Jones method involving comparison of NIR and wet analysis to fresh plants, as taught by Laurel, because this gives evaluation of the total content of the plant, including moisture. It would have been obvious to scan the sample at a plurality of locations in order to average the results of analysis, since these results depend on homogeneity obtained by grinding, which is not perfect.

Jones in view of Lauer do not specifically teach a visual selection of representative plants (survey). "Disaster Recovery" discloses choosing standing corn plants and selecting two or three representative corn plants, then harvesting them ("Sampling Standing Corn"). The plants are representative of different areas of the field with different moisture content. It would have been obvious for anyone of ordinary skill in the art to use the sampling technique disclosed in "Disaster Recovery" for Jones-Lauer's method, because this allows obtaining results for the particular population of the plants in different areas of the field.

It would have been obvious for anyone of ordinary skill in the art to replace the cyclone mill with a bowl grinder, because it is a cheaper means for grinding.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Yelena G. Gakh, Ph.D. whose telephone number is (571) 272-1257. The examiner can normally be reached on 9:30 am - 6:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jill A. Warden can be reached on (571) 272-1267. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov, Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Yelena G. Gakh 6/2/04 Yelm Hale

Aill Warden
Supervisory Patent Examina
Technology Center 1700